BOOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
	3636		
	7272 -		
	4908 -		
	818 -		
	2 -		
	647 -		
	13963		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

BR- 320/2008-14

Serial No. 1st and final Bill

Name of Work Loop and Asphalting HMT layout To Balance Roofing Work 213238 of

Name of Contractor of nature of Agency KRIDL Vidyaranyapura Sub-Divn

Date of commencement of work D.O. Recording 2

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Estimated cost Rs: 20.00 Lakhs						
	DOB. No : 009-14-000016						
	Workorder No : EE/BVP/BBMP/KRIDL/WO/33/2014-15 Dt. 03-07-2014						
(1)	Earthwork Excavation by manual means in ordinary soil including an average lift upto 0.30m, excavated surface levelled and ordinarily dressed, the disposed earth to be leveled						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	neatly after breaking clods etc complete as per specifications and directions of Engineer-in-charge of the Work.					Qty vide MB No 1952 p. 195/84 It (1) = 483.84 m³ @ 90.72/m³	43890.00
(2)	Removing of B.S. slabs, drain wall stacking etc complete as per specifications and directions of Engineer-in-charge of Work.					Qty vide MB No. 1952 p. 195/86 It (2) = 825.00 m³ @ 50.11/m³	41341.00

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
(3)	Refixing stone slabs of complete as per spec. in-charge of Work	
(4)	Scarifying stone mea... with picks axes along ... dressing and stacking ... a lead of 1 mile by	

OOK

Depth 6	Contents 7	Reference to last Measurement 8
ete as per specifi- -cation of the		
MB 1952 p. 195/84		
483.80 y^3 @ 90.72/y^3	43890.00	
stacking of ete rectangular	CBFC	
MB No. 1952		
825.00 y^3 @ 50.11/y^3	41341.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

249239

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(3)	Refixing stone slabs of drains and pointing in CM 1:3 etc complete as per specifications and directions of Engineer in-charge of work					Qty as per St no. (2) = 825.00 y^2 @ 70.04/y^2	57783.00
(4)	Scarifying stone metal crust 50mm to 100mm thick with pick axes along with premix carpet / surface dressing and stacking of old serviceable materials with a lead of 1 km by manual means including costage						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	d/ CROSS-ROAD	1	38.00	$\frac{6.40+6.0}{2}$		= 235.60	
	e/ ICEB office. Road	1	30.00	$\frac{5.375+5.2}{2}$		= 157.50	
		1	30.00	$\frac{5.645+5.8}{2}$		= 171.00	
		1	30.00	$\frac{5.875+5.9}{2}$		= 175.50	
						3189.40 m²	
					Total	3185.60 m²	
(7)	Providing and applying primer coat for surfaces of medium porosity like cement stabilized soil based 1.10 kg/m² over prepared surface with S.S					@ 10.53/m²	33538.08

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	primer @ 0.60 kg/m² as per specifications	4
(8)	Providing and laying 25 mm thick with ... producing an average ... crushed aggregate ... premixed with bitu...	

BOOK

Depth 6	Contents 7	Reference to last Measurement 8
60 =	235.60	
2		
5.20 =	157.50	
2		
5.8 =	171.[illegible]	
2		
5.9 -	175.[illegible]	
	3189.40 m²	
total	3185.40 m²	
	@ 10.53/m²	33538.08
for d surfaces		
stabilized soil		
surface with S.S		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

249242

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	primer @ 0.60 l/m² using mechanical means etc complete as per specifications.						
	Ditto do.					@ 44.28/m²	14031.84
(8)	Providing and laying semi dense bituminous Concrete 25 mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes/hr using crushed aggregates of the hot mix. specified grading premixed with bituminous binder at 4.5 to 5% of						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	sand and filler transporting the hot mix to Work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, Rolling with smooth wheeled, Vibratory and tandem Roller to achive the desired Compaction as per MORTH specification clause no. 500. & Complete in all respects as per specification with S/I/C grade bitumen, etc Complete as per specifications and Engineer-in-charge of the Work						
	@ 13th main Road	1	30.00	$\frac{6.1+5.8}{2}$ 0.025	= 4.46		
		1	30.00	$\frac{5.8+5.7}{2}$ 0.025	= 4.31		

M. A
M

Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numbe
1	2	3
		1
		1
		1
		1
		1
		1
5/	Hand oper. Road	1

OK

Depth 6	Contents 7	Reference to last Measurement 8
...to Work... finishing Dirt ...level and ...ed, Vibrating ...ed Compacting ...00. & Complete ...with 80/100 ...penetration		
...= 0.025 = 4.46		
...0.025 = 4.31		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

249243

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	30.00	$\frac{5.7+5.8}{2}$	0.025	= 4.31	
		1	30.00	$\frac{5.8+5.6}{2}$	0.025	= 4.28	
		1	28.00	$\frac{5.6+5.7}{2}$	0.025	= 3.92	
		1	20.00	$\frac{6.2+6.1}{2}$	0.025	= 3.25	
		1	30.00	$\frac{6.1+6.0}{2}$	0.025	= 4.54	
		1	19.00	$\frac{6.0+6.0}{2}$	0.025	= 2.85	
5/1	Hand oper. Road	1	32.00	$\frac{6.4+8.7}{2}$	0.025	= 6.84	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(a) 13th main Road	1	30.00	$\frac{6.0+6.2}{2}$	0.025	= 4.58	
		1	30.00	$\frac{6.4+5.8}{2}$	0.025	= 4.73	
	Checked.	1	30.00	$\frac{5.8+6.0}{2}$	0.025	= 4.43	
	20/11	1	30.00	$\frac{6.0+6.9}{2}$	0.025	= 4.42	
		1	30.00	$\frac{5.9+6.4}{2}$	0.025	= 4.61	
		1	38.00	$\frac{6.4+5.9}{2}$	0.025	= 5.89	
	(b) Cross-Road	1	30.00	$\frac{5.3+5.2}{2}$	0.025	= 3.94	
	(c) ICE Office Road	1	30.00	$\frac{5.6+5.8}{2}$	0.025	= 4.28	
		1	30.00	$\frac{5.8+5.9}{2}$	0.025	= 4.37	
						79.7443	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	9) Lead for disposal of	
	at Carriage rate by	
	loading, and unloading	
	and directions of Engr	

OK

Depth 6	Contents 7	Reference to last Measurement 8
2 0.025 = 4.38		
8 0.025 = 4.43		
6.0 0.025 = 4.43		
5.9 0.025 = 4.41		
6.4 0.025 = 4.61		
5.9 0.025 = 5.89		
2 0.025 = 3.94		
5.8 0.025 = 4.28		
5.9 0.025 = 4.37		
2	79.7443	

C&Fc

M. A. R. 57 (Rule 116)
Measurement Book

No. B

249244

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
						79.634	
						@ 9631.44/-	76695/257
	9) Lead for disposal of debris shall be payable at carriage rates by mechanical means including loading, and unloading etc complete as per specifications and directions of Engineer-in-charge of work.					C&Fc	
	Obj as per I.T no. (1)						
	= 483.804 @ 72.71/-						35177.10

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					Total Rs		1784281=96
	Add 11% KRIDL service charges						196271=02
	Add 1% for third party inspection charges						17842=82
					Grand Total		19,98,395=80
							1980,5U8=0

Certificate

(1) Certified that the contractor has work done satisfactorily.

(2) the contractor removed the debris work site

(3) there is no any dept. materials issued to

Contractor

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ವಿದ್ಯುದೀಕರಣ ಉಪ ವಿಭಾಗ

M.

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	

OK

Depth 6	Contents 7	Reference to last Measurement 8
Total B		1784281=96
avg 3		196271=02
inspection		17842=82
Grand Total		19,98,395=80
		19,98,548=00
Work		
ks issued to		

AEFC

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ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ

M. A. R. 57 (Rule 116)
Measurement Book

No. B

249245

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents	Reference to last Measurement 8
	20 RDC Ross - Road					Water tank Road	
	Siddayyanapalya Main Road					Suramma Mahotsava ground	
						32m	
						13th Main	
						2nd Cross	
						198m	
						14th Main	
						32.	
						INDEN	
						11th Main	
						Cont'd	
						Asphalting Road	
	Thimmaiah - Siddayyanapalya Main Road						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			IT —	39611 —			
			VAT —	79222 —			
			FD —	118833 —			
			CWC —	39611 —			
			CSF —	3961 —			
			Roy —	43637 —			
				Total —	324875 —		

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	